

## ABSTRACT OF THE DISCLOSURE

5 A motor includes a rotor with interior permanent magnets and a stator with teeth wound by concentrated windings. Each permanent magnet is split along a plane oriented towards the stator, and an electrically insulating section is set between the split magnet pieces. This structure allows each permanent magnet to be electrically split, thereby restraining the production of an eddy current. As a result, heat-production is dampened thereby preventing heat demagnetization of the permanent magnets.

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